

394	<b>MATCHBOOK MAKING</b>	431	..Liquid treating
395	..Methods	432	..Vacuum or gas treating
396	<b>METHODS</b>	433	...Receptacle forming
397	..Applying a partial cover	434	...Flexible preform cover (e.g., bags, pouches)
398	..Partial covering of multiple cans, bottles (e.g., six-pack carrier)	435	..Cutting
399	..Banding	436	..Compacting or stretching
400	..With adsorption or absorption of contents	437	...Agitating (e.g., vibrating or jarring)
401	..With nonreactive packaging materials	438	...Before association with cover material
402	..With inhibitor	439	....By simultaneously conveying and compressing
403	..Gas filling and/or evacuating and closing	440	..Heating or cooling
404	..With solder or wax sealing	441	..Conforming by stretching or shrinking of cover over contents
405	..Evacuating only and closing	442	..By heating
406	..With gas igniting	443	..Group forming of contents into a unit
407	..With steam filling	444	..Of slender rod-shaped contents (e.g., cigarette)
408	..Including evacuating	445	..Of diverse contents (e.g., can and coupon)
409	..Annular package	446	..With orienting (e.g., turning labels face out)
410	..Forming a cover adjunct or application of a cover adjunct to a cover	447	..Stacking upon another before packaging
411	..Printing or protective coating	448	..Single layer forming
412	..Package opening device (e.g., tear strip)	449	..Plural covers
413	..Handle	450	..Enclosing contents within progressively formed web means
414	..Binding string	451	..Vertically formed, filled, and sealed tubular package
415	..Strip, stamp, nonencircling label, or space filler	452	..Forming or partial forming a receptacle and subsequent filling
416	..Fastening or sealing	453	..Forming a pocket or depression in cover material by applying heat or pressure (e.g., stretch forming)
417	...Applying the fastener to a gathered bag neck (e.g., staple or clip)	454	...Forming a capsule
418	...Sewing	455	..Making a pocket in web material by folding and side sealing (e.g., flat bag making)
419	...Encircling sealing strip (e.g., adhesive tape)	456	..Forming three-dimensional receptacle from web or blank
420	..For preformed receptacle with separate closure	457	..Opening or setting up collapsed, preformed receptacle
421	...Including gasket compressing	458	...Box, carton
422	....Against side of receptacle	459	...Bag, tube, center-folded web
423	...Including casting or molding	460	..Envelope or triangular flap fold
424	...Constricting closure by binding		
425	..Sterilizing complete package		
426	..Sterilizing cover only		
427	..Skin packaging (e.g., vacuum forming by conforming cover over contents)		
428	..With contents treating		
429	..Folding		
430	..Winding		

461	..Wrapping contents including cover forming	490	....By screwing closure on container
462	..With slotted or scored wrapper blank	491	...By folding multiple preformed flap
463	..With heat sealing of wrapper	492	.Opening only
464	..Cup or pouch forming about contents from web or blank	48.1	<b>MULTIPLE BOTTLE OR CAN CARRIER TYPE PACKAGE</b>
465	..Cinching or wiping around to form initial wrap	48.2	.Of shrinkable or memory material
466	..U-fold forming initial wrap	48.3	.Of stretchable material
467	..Filling preformed receptacle and closing	48.4	..Continuous web
468	..Opening prior to filling and closing	48.5	.Endless loop
469	..Flexible, expandable receptacle (e.g., bag, tube)	48.6	.Wrap
470	..Aerosol container	48.7	..Of moving bottles or cans
471	..With separate closure attaching (e.g., cap or plug)	48.8	..Wrap of preformed blank
472	..With protective media (e.g., shock absorbing)	48.9	...Having means to interlock or tighten
473	..Filling preformed receptacle	49	<b>BOTTLE IN SHAPED COVER OR CARTON</b>
474	..With diverse contents	50	<b>PACKAGE UNFOLDING OR OPENING WITH INSERTION OF ADDITIONAL CONTENTS</b>
475	..With successive like contents or layers of like contents	51	<b>REGISTER CONTROL</b>
476	..Closing package or filled receptacle	52	<b>WITH MEANS RESPONSIVE TO A SENSED CONDITION</b>
477	..By heat sealing	53	.Separate delivery of incomplete or defective package
478	...Separate closure	54	.Separate delivery of incomplete or defective contents or contents group
479	...Of preformed nonfreestanding container deformed by contents (e.g., bag, tube)	55	.Concurrent control of contents and receptacle feeds
480	..Closing preformed container deformed by contents	56	..Stopped by contents, manual reset
481	...By collapsing mouth portion (e.g., to form single flap)	57	...By absence of contents
482	....Folding or rolling-in	58	..Triggered by presence of contents
483	....Twisting	493	.Of individual contents or group feed or delivery
484	..Closing a preformed, freestanding, rigid or semi-rigid container (e.g., box, carton, bottle)	494	..Responsive to incomplete group or subgroup (no group - no feed)
485	...By applying a separate preformed closure (e.g., lid, cap)	495	..Responsive to complete group or subgroup
486	....With receptacle deforming or shaping	496	...Responsive to the presence of only the lead article of a completed group
487	....With preliminary closure shaping	497	....Plural lead articles
488	....By conforming closure to container	498	...By sensing each individual article of the group or subgroup
489	....By plugging closure into container	499	....Individual sensors (one for each article in the group or subgroup)

500	....Single sensor for successively sensing each article of the group or subgroup (e.g., counter)	89	..Machine positioned receptacle and/or closure
501	..By totalizing of individual contents	90	...Through lock or valve means
502	..By weight of contents	91	....Rotary pocket or pockets
503	..By volume of contents	92	.....Common in-out
504	..By dimension of contents	93	.....With separate coacting pockets
505	..Responsive to presence or absence of cover material (e.g., wrapper, receptacle, lid)	94	....Including closure handling means
506	...Responsive to absence of cover material (no can - no fill)	95	..Multiple individual receptacle chambers
64	.Of receptacle or cover feed or adjunct feed or application	96	....Integral unit
65	..Of marker by defective package component	97	..With closure assembling means
66	..Severed length determined by contents size	98	...Resilient hold-down
67	..Responsive to presence or absence of preformed receptacle	99	...Gravity plunger or platen
68	...With closure ejection means	100	....With drop control
69	...During infeed	101	...Mechanically actuated plunger or platen
70	...With solenoid control means	102	....With equalizer means
71	...With intermediate clutch	103	...Atmospheric pressure
72	...And presence or absence of closure	104	...With fluid system intensifier
73	..Skip feed by absence of contents	105	....Flexible diaphragm
74	..Triggered by presence of contents	106	....Pressure platen
75	.Of package and filled receptacle closing or opening	107	.....Individual receptacle
76	..Triggered by presence of package	108	.....Base contacting
77	<b>INTERRELATED OR SAFETY CONTROLS</b>	109	..With cap lifter
507	<b>WITH ALARM, SIGNAL, OR INDICATOR</b>	110	.Within tunnel
508	.Visual or audible alarm	509	<b>SKIN PACKAGING</b>
79	<b>GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING</b>	111 R	<b>WITH CONTENTS TREATING</b>
80	.Including soldering means	510	.Vacuum or inert atmosphere
81	..Solder and/or flux deposit only	511	..With receptacle forming
82	..Iron application only	512	..With preformed bag
83	...Electric arc or resistance type	113	.Reshaping
84	.Pressure responsive and/or regulation	114	..Coil spring encasing
85	.Enclosure responsive	115	..Cushioning material inserting means (e.g., pill bottle cotton)
86	.Within enclosure	116	..Folding or rolling
87	..With screen or graduated orifices	117	...Sheet material or garments
88	..For receptacle head only	118	....Rotary winding
		119	.....Slotted or divided mandrel
		120	....Slot and blade doubling
		121	..Crushing
		122	..Molding or plastic deformation
		513	..Cutting
		514	...Food or edible material
		515	....Fruit or vegetable
		516	....Bread, pastry, or confection
		517	....Meat or fish product
		518	....Diary product
		519	.....Butter
		520	...Film, sheet or weblike material

521	...Stuffing (e.g., mattress ticking)	134.1	.Adjunct comprising graspable appendage, e.g., handle
522	...Strand, tube, or rodlike material (e.g., drinking straw)	134.2	..For permeable package, e.g., tea bag
523	..Compacting or stretching	135.1	.Adjunct comprising nonencircling strip, e.g., stamp, label or gap filler
524	...Mattress filling	135.2	..Applied to cover material before packaging
525	...By agitation	135.3	...Applied to continuous web material
526	...Compressing with or through cover	136.1	..Applied to package
527	...Compressing contents within preformed receptacle	136.2	...Applied to end of roll
528	...Compressing while engaging contents with wrapper or band	136.3	...To seal package
529	...Compressing before packaging	136.4	....Box
530	....Through restricted passage	136.5	....Bag
127	.Heating or cooling	137.1	.Adjunct comprising bottle hood securing means
111 RC	.With reactive chemical	137.2	.Adjunct comprising package encircling sealing strip
128.1	<b>WITH COVER-ADJUNCT APPLICATION OR FORMATION</b>	138.1	.Adjunct comprising provision to secure cover
129.1	.Adjunct comprising packing disk, sealing gasket, or "spot" applied to a closure	138.2	..Staple or clip
130.1	.Adjunct comprising closure retainer seated into and depressed with portion of bottle hood	138.3	...Bag closing
131.1	.Adjunct comprising protective coating	138.4	....Deformed staple or clip
131.2	.By printing	138.5	..Adjunct comprising sewn seam
131.3	..On cover having separate closure or on such a separate closure	138.6	..Tie string or wire
131.4	..Before or during packaging	138.7	...Bag closing
131.5	...On continuous web	138.8	....Twisting of string or wire
132.1	.Adjunct comprising lever actuated to constrict passage of contents into package	139.1	..Bag banding
133.1	.Adjunct comprising provision to allow access to contents, e.g., spout, straw, drain, opening, etc.	139.2	..Reclosable, e.g., ziplock (TM) or with valve
133.2	..Fitment to dispense flowable contents, e.g., spout	139.4	.Adjunct comprising string or wire
133.3	..Adjunct comprising provision to open package	139.5	.Adjunct comprising means to protect contents, e.g., padding or spacer
133.4	...Reclosable	139.6	..To protect contents from binder
133.5	...Tear string or tape under cover	139.7	..Adjunct comprising edge protector
133.6	....Cover weakened for tearing	140	<b>WITH COVER MATERIAL PRODUCTION</b>
133.7	....With graspable tab on cover or adjunct	141	<b>WITH FUGITIVE PRECONDITIONING OF COVER MATERIAL</b>
133.8	...Cover weakened for tearing, e.g., having integral tear strip	142	<b>TAPERED OR HEADED ARTICLES</b>
		143	.Inverting one or more units
		144	..Receptacle reversing
		145	<b>FACING (E.G., FRUITS AND VEGETABLES)</b>
		146	.Variable contour facing plate
		147	<b>GROUP FORMING OF CONTENTS UNIT AND SUBSEQUENT OR FURTHER PACKAGING</b>
		148	.Long slender articles (e.g., cigarettes)

149	..Adjacent rows of unequal numbers	173	.Filling preformed receptacle and subsequent covering
150	..Superposing rows	174	.Wrapping and subsequent filling of preformed receptacle
151	..Hopper with multiple channeled outlet	175	.Lining preformed receptacle
152	.Formed in vertically spaced ways and simultaneously removed	176	.At least one layer a band
153	..Plural groups	545	<b>PROGRESSIVELY SEAMED COVER WEB OR WEB FOLDS</b>
154	.From plural or different supply sources	546	.Multirow
155	..Diverse forms or shapes of units	547	.With package severing and subsequent closing of severed end
156	...Package reinforcing sheet or trough	548	.With closing of web between package units
157	...Insert or separating sheet	549	..By twisting
158	.Joined receptacle or pockets	550	..Longitudinal tube formed from single web
531	.Layer, stack, or column	551	...Vertically disposed tube
532	..Assembling, gathering, and stacking coins or similar disclike articles	552	...Concurrent severing
533	..Assembling sticks of chewing gum	553	..Plural webs
534	..Receptacle advances as row groups are deposited therein	554	...Vertically disposed tube
535	..Lowered support or raised wall	555	...Simultaneously longitudinal and transverse seaming
536	...Within receptacle	556	<b>APPARATUS FOR CONTRACTION OF COVER BY STRETCHING OR SHRINKING</b>
537	..Forming successive coplanar layers and depositing in cover means	557	.By heat shrinking
538	...Varying strokes of depositing means	558	<b>APPARATUS FOR FORMING OR PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING</b>
539	..Simultaneous deposit to fill compartmented receptacle	559	.Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming)
540	..Stacking one article or group of articles upon another	560	..Capsule
541	...Building up the stack from the bottom	561	..Molding or extruding a container
542	..Grouping articles on edge in a linear relationship	562	.Forming a pocket or pouch by folding and side sealing (e.g., flat bag making)
543	..Forming single generally horizontal groups comprising plural rows and columns	563	.Forming a receptacle around a mandrel or former and removing therefrom prior to filling
544	..Orienting one or more units of the group	564	.Forming by opening or setting up collapsed receptacle
167	<b>COMBINED</b>	565	..Gable-top carton (e.g., milk carton)
168	<b>SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS</b>	566	..Horizontally loaded box or carton
169	<b>SLIDING TRAY AND SHELL TYPE PACKAGE</b>	567	..Flexible tubular stock - preformed continuous tube
170	<b>PLURAL LAYER PACKAGE MATERIAL</b>	568	..Longitudinally prefolded web stock
171	.Plural packages in outer cover	569	..Letter-type envelope
172	.Concurrently formed with multi-layered blank		

570	..Bag or sack	215	...Apron type
571	...Magazine	216	...Rolling movement
572	....Filled before removal from magazine	217	...With end twisting
573	....Combined extractor and opener	218	.Fixed package support during wrapping
574	.Forming receptacles whereby the receptacle is subsequently filled while on the forming means	219	..Hand manipulated type
575	..Hollow forming mandrel or plunger	220	.Cover-wiping passage or pocket for initial wrap
576	..Tubular receptacle stored on mandrel	221	..Cup- or pouch-forming initial wrap
577	...Gathered mouth receptacle	222	...Four-sided corner flap forming chute or pocket
578	..External former	223	....Package advanced through succeeding fold chute
579	...Former mounted on conveying means	224	....Package advanced by folding carrier
580	<b>PARTIAL COVER APPLICATION</b>	225	.....Rotary turret or carrier
581	.Spindle or core	226	...With end crimper or in-folder
582	.Band or tube	227	...With end twister
583	..Bag neck banding	228	..U-fold forming initial wrap
584	..Cigar banding	229	...Outturned longitudinal seam
585	..Preformed tube	230	...Package advanced through succeeding fold chute
586	..U-fold forming initial banding	231	....Via intermediate non-folding carrier
587	..Applied by rotation of contents	232	...Package advanced by folding carrier
588	..Applied by rotation of band	233	....Continuously moving carrier
589	..Applied by guiding band end about contents	234	....Rotary turret or carrier
590	..Applied by manipulating opposed band ends about contents	235	<b>DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES</b>
591	..Applied about series contents	236	.Long slender articles (e.g., matches)
592	..Applied by manual operation	237	.Plural filling stations and/or contents sources for single receptacle
593	..End or band interleaved with contents (e.g., book or magazine band)	238	..Diverse forms or shapes of units
594	.Uncovered reduced projection or handle (e.g., lollypop)	239	..Article and fluent material
201	<b>CONVERTIBLE</b>	240	..Successive filling stations
202	<b>PLURAL LINE PACKAGING</b>	241	.Contents support extends through receptacle (e.g., garment baggers)
203	<b>WRAPPING MACHINES</b>	242	.Bottom filling
204	.Annular package	243	..With turnover
205	.Granular contents material	244	.Successive deposits of articles
206	.Packet or envelope type	245	..Lowered support
207	.Notched or corner-slit cover blanks	246	..Compartmented receptacle
208	..With cover notching or slitting	247	.Simultaneous deposit of plural articles
209	.Prepositioned cover and contents transported to wrapping means	248	.With means to retard free fall of articles into receptacle
210	.Cinched or wiped around initial wrap	249	.With movement of receptacle to or from filling station
211	..By rotation of contents		
212	...Stacked contents (e.g., coins)		
213	....Hand manipulated type		
214	...Cover at least in part adhered to contents		

250	..With means to supply successive receptacles	283	..Common infeed means for fill and close means
251	...Contents or receptacle transfer between conveyers	284	.Opposite end closing
252	....By reciprocable pusher	284.2	.Receptacle comprising film mount
253	...Rotary	284.3	.Receptacle comprising envelope
254	.Disc packers	284.4	.Means to insert X-ray film into and to close special receptacle
255	.Guide or inserted form or support for article contents	284.5	.Rigid receptacle
256	..Garment baggers	284.6	..Glass receptacle, e.g., ampoule
257	..With size adjusting means	284.7	.Receptacle comprising bag
258	..With injector (e.g., filling plunger)	285	<b>CLOSING PACKAGES AND FILLED RECEPTACLES</b>
259	...Endless belt	286	.Plural independently closed covers
260	..With retractible, collapsible or separable portion to permit withdrawal or to dump contents	287	.Separate closure applying
261	..Expansible	288	..Cover to milk can
262	...Spring form	289	..With preliminary receptacle shaping
263	..Receptacle divider	290	..With preliminary closure shaping and/or treatment
264	<b>WITH MEANS APPLYING CLOSURES OF INTERNALLY STOPPERED RECEPTACLES</b>	291	...Unfolding, opening and/or stretching capsules or cots
265	<b>WITH MEANS APPLYING ATTACHED OR CONNECTED CLOSURES OF BAIL STOPPERED RECEPTACLES</b>	292	....With suction or blast
266.1	<b>MEANS TO FILL AND CLOSE PREFORMED RECEPTACLE</b>	293	....Removal from support by receptacle
267	..With compound fill-close station	294	.....Stretcher cammed by receptacle
268	..With common fill-close stations	295	....With cot dispenser or ejector
269	..Closing mechanism tripped by vented air	296	...Cutting and/or shaping means
270	..Closure release by withdrawal of fill means or receptacle	297	....Concentric with or at infeed of closure
271	..Unidirectional infeed motion only	298	.....Blank cut-off only
272	..Turret mounted (plural heads rotatively indexing and progressively acting)	299	..Receptacle delivery by case or row
273	..Swivel or slide relation to receptacle aperture	300	..With receptacle support and/or feed by shoulder engagement
274	..Including closure port valve means	301	..Receptacle delivery to alternately acting headers
275	..Closure within or forming wall of pressure chamber	302	..Sequentially acting plural headers
276	..Diverse heads rotatively indexing and progressively acting (turret)	303	...In vertical orbit
277	..Planetating or epicyclic orbit	304	...With single closure supply stack for headers
278	..Concentric orbits	305	..By hand operation with magazine supply
279	..Plural axes	306	..Closure delivery from supply into or below bottom of header
280	...Common infeed means	307	...Closure delivery into inverting header
281	..With separate closure	308	...Turret supporting closure below header
282	..Endless conveyor for receptacle	309	..Closure delivery from supply through top of header

310	..Closure delivery from supply laterally into header	346	.....Split or two part die
311	...Closure at infeed normal to closure in stack	347	.....Helical spring
312	...Horizontal infeed	348	.....Fluid pressure actuated
313	..Closure selected by moving receptacle	349	.....Rotary cam
314	...With subsequent securing	350	.....Toggle
315	...With wiper or leveler means	351	.....Axial cam
316	....Roller	352	.....Convex
317	..Screw or lug closure applying means	353	.....Radially reciprocating jaws
318	...With reverse rotation means	354	.....Bell crank
319	..Closure inserting means	355	.....Biased for deformation
320	...With vent means	356	.....Split or spring collet type
321	..Closure flexing means (straightening or buckling)	357	....Resilient annulus
322	...With closure guide withdrawal means	358	....Helical spring
323	....Receptacle push-off means	359	....Filler or forcer
324	...Closure compressing means	360	.....Reverse flex of resilient element
325	....Roller	361	.....Fluid pressure or resilient element
326	....Sliding segment die	362	.....Confined elastomer block
327	....Pivoted segment die	363	....With handle
328	...Plunger structure	364	....Second class lever mounted
329	..Closure securing means	365	....Toggle mounted
329.2	...Heated securing means	366	...By crimping of receptacle
329.3	....Adapted to engage flange (e.g., outturned seam) of package cover	367	..Orienting or aligning means
329.4	.....With means to advance package during securing	368	..With height compensating means and/or package ejection means
329.5	.....With means to trim excess cover	369	...With package ejection means only
330	...Internal	370	..Twisters
331	...Thread and crimp	370.2	..Including provision for pleat of cover overhang
331.5	...Screw or lug type	370.3	..With means to apply adhesive
332	...Reverse closure flexing or turn-back means	370.4	..With means to trim excess cover
333	...Repeated on different portions of same closure	370.5	...And means to advance package during closing
334	...Rotary tool or die	370.6	..With means to engage cover at spaced points and move together to form pleat
335	....With centrifugal means	370.7	..With means to heat or cool seam
336	.....Cam release	370.8	...Spaced from cover during heating or cooling
337	.....Centrifugal release	370.9	....Comprising means to force heated fluid to contact cover
338	....Planetating	371.2	...Having nonplanar sealing surface
339	.....Axially rocking	371.3	...With means to advance package during closing
340	.....Radial, rocking or axial pivot	371.4	....Closing means comprising roller or roller-like member
341	...Die	371.5	....Closing means moving with package during closing
342	....With closure support	371.6	.....And moving perpendicularly to package movement during closing
343	.....Magnetic		
344	....Sectional		
345	.....With resilient faces		



- 371.7 ....Including provision for pleat and fold of cover
- 371.8 ...With package stationary during closing
- 371.9 ....Pivoted means to close cover
- 372.2 ....Including provision for pleat and fold of cover
- 372.3 ...Means to cool seam
- 372.4 ..With means to advance package during closing
- 372.5 ...Including provision for pleat and fold of cover
- 372.6 ..With package stationary during closing
- 372.7 ...Including provision for pleat and fold of cover
- 372.8 ..To serially pleat cover overhang
- 372.9 ...Including means to rotate package or pleating means during pleating
- 373.2 .By means adapted to engage outturned seam of package cover
- 373.3 ..With means to apply adhesive to seam
- 373.4 ..With means to trim excess from cover
- 373.5 ...With means to advance package during closing
- 373.6 ..With means to engage cover at spaced points and move apart to flatten seam
- 373.7 ..With means to heat or cool seam
- 373.8 ...Spaced from cover during heating or cooling
- 373.9 ....Comprising means to force heated fluid to contact cover
- 374.2 ...With nonplanar sealing surface
- 374.3 ...With means to advance package during closing
- 374.4 ....Closing means comprising roller or roller-like member
- 374.5 ....Closing means moving with package during closing
- 374.6 .....And moving perpendicularly to package movement during closing
- 374.7 ....With means to fold cover after closing
- 374.8 ...With package stationary during closing
- 374.9 ....Pivoted means to close package
- 375.2 ....With means to fold cover after closing
- 375.3 ...Means to cool seam
- 375.4 ..With means to advance package during closing
- 375.5 ...With means to fold cover after closing
- 375.6 ..With package stationary during closing
- 375.7 ...With means to fold package cover after closing
- 375.8 .By means adapted to engage overlapped seam
- 375.9 ..With means to heat or cool seam
- 376.2 ..With means to advance package during closing
- 376.3 .Package or receptacle having closure flap, e.g., carton flap, box lid, etc.
- 376.4 ..Multiple closure flaps
- 376.5 ...With means to apply adhesive
- 376.6 ...With means to heat or cool flap
- 376.7 ....With means to advance package during closing
- 376.8 ....With package stationary during closing
- 377.2 ...With means to advance package during closing
- 377.3 ...With package stationary during closing
- 377.4 ..With means to apply adhesive
- 377.5 ..Tucked inside cover
- 377.6 ..Attached flap
- 377.7 ..With means to heat or cool flap
- 377.8 ...With means to advance package during closing
- 378.3 ..With means to advance package during closing
- 381.1 **MEANS TO OPEN OR ERECT RECEPTACLE**
- 381.2 .With cutting means
- 381.3 ..To open envelope
- 381.4 .Means to remove separate closure
- 381.5 .Means to open envelope
- 381.6 ..Including means to apply suction to grip envelope
- 381.7 ..Means to open flap
- 382.1 .Means to open flap, e.g., carton, flap, box lid, etc.
- 382.2 ..Means to fold flap about line perpendicular to receptacle movement
- 382.3 ...And means to fold another flap about line parallel to receptacle movement

- 383.1 .With means to apply adhesive
- 384.1 .Means to open bag
- 385.1 ..Including means to apply air  
blast
- 386.1 ..Including means to apply  
suction
- 387.1 **MEANS TO HOLD FLAP**
- 387.2 .While package is moving
- 387.3 ..With means to heat or cool flap
- 387.4 .With means to heat or cool flap
- 389.1 **MEANS TO FEED COVER MATERIAL**
- 389.2 .Continuous web cover material
- 389.3 ..With cutter
- 389.4 ..Roller or roller-like feeder
- 389.5 ...Comprising endless belt
- 390 **AIDS TO MANUAL PACKING**
- 391 .Power-driven conveyor
- 392 .Receptacle inversion
- 393 **MISCELLANEOUS**

**CROSS-REFERENCE ART COLLECTIONS**

900 **CAPSULES**

**FOREIGN ART COLLECTIONS**

FOR **CLASS-RELATED FOREIGN DOCUMENTS**

**DIGESTS**

- DIG 1 **BACON AND FRANKS PACKAGING**
- DIG 2 **HIGH FREQUENCY ELECTRIC SEALING**
- DIG 3 **SEALING ELECTRON TUBES**